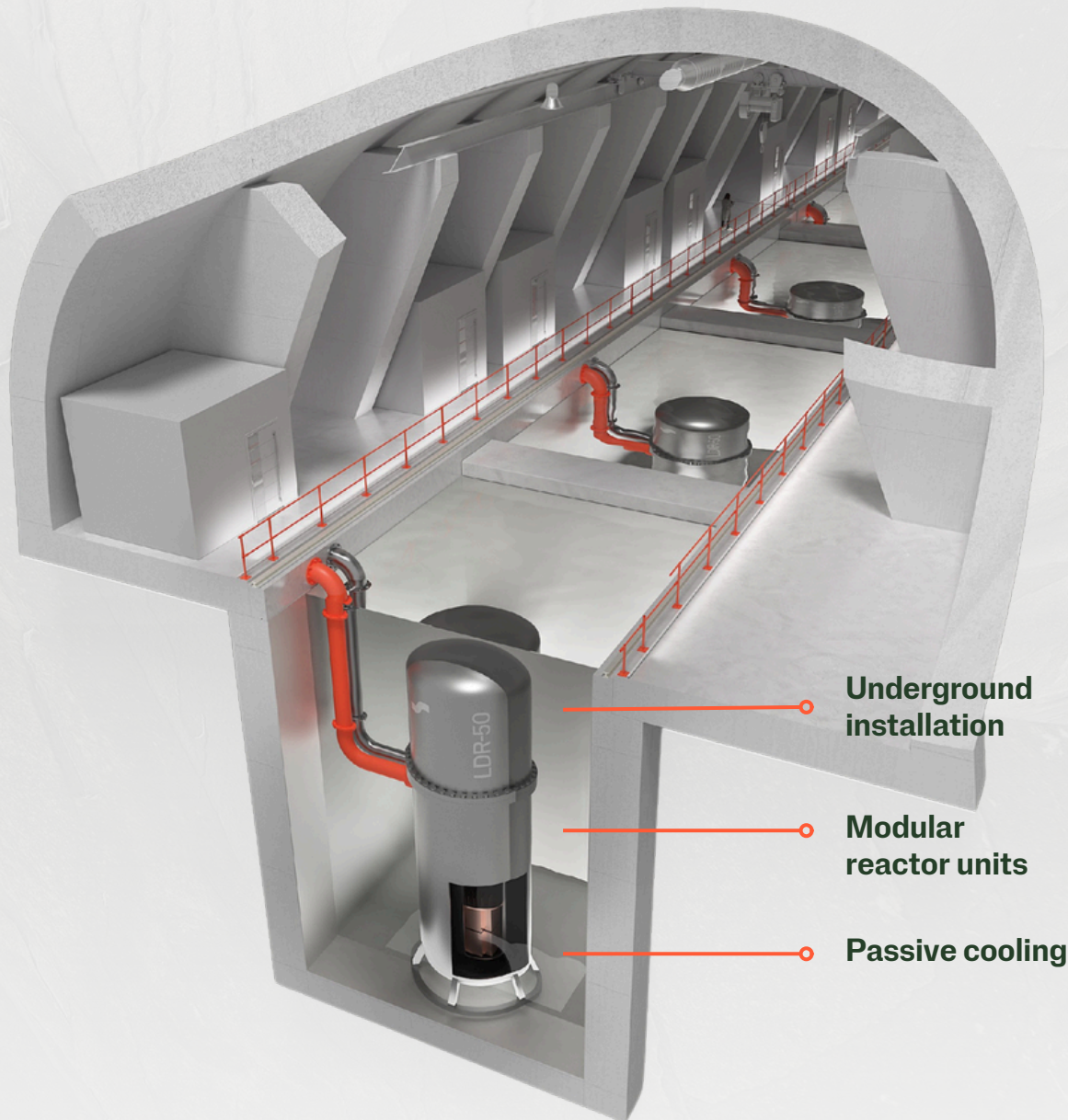


Energy resilience. Built for cities.



The LDR-50 – modular nuclear heating plant designed for district heating.



Simple

- ✓ Heat-only design
- ✓ No turbine island
- ✓ Natural circulation

Safe

- ✓ Patented residual heat removal
- ✓ Low temperature and pressure
- ✓ Underground siting

Scalable

- ✓ 50 MWt per unit
- ✓ Modular plant scaling
- ✓ Fits existing system

2.4gCO₂e/kWh
life cycle emissions

>95%
thermal efficiency

60
year lifetime

Key facts



50 MW
of thermal power



Patented passive cooling



150°
operating temperature



No primary circuit pumps,
less moving parts



<10 bar
operating pressure



Heat transfer circuits physically
separated from the primary circuit



<5%
standard low-enriched uranium fuel



ISO 9001 certified

How it works

- 01** Nuclear fission generates thermal energy.
- 02** Thermal energy is transferred through two sets of heat exchangers into the district heating system.

Discover the LDR-50 solution by scanning QR-code.

